

Abstract

An inverter type drive unit for feeding AC electric power of variable parameters to an electric motor has an electronic control section, and a power converting and output section which includes one or more identical power modules, each forming a complete 3-phase output stage. The power modules are arranged side-by-side in a multiplying direction and are clamped by retaining devices to a cooling structure. The power modules are connected in parallel to DC input terminals and to AC output terminals via conductive sheets which are insulated from each other. The DC connected conductive sheets cover substantially the entire physical surface area covered by the power modules so as to accomplish an even, simultaneous and low impedance DC current supply to all power modules.